

CLAIMS

1. A vaccine composition comprising:
 - (a) a herpes simplex virus (HSV) antigen; and
 - 5 (b) a human papillomavirus (HPV) antigenin conjunction with an adjuvant which is a preferential stimulator of TH1 cell response.
- 10 2. A vaccine composition according to claim 1 which additionally comprises a carrier.
3. A vaccine composition according to claim 1 or claim 2 in which the preferential stimulator of TH1-cell response is selected from the group of adjuvants comprising: 3D-MPL, 3D-MPL wherein the size of the particles of 3D-MPL is
15 preferably about or less than 100nm, QS21, a mixture of QS21 and cholesterol, and a CpG oligonucleotide.
4. A vaccine composition according to claim 3 in which the preferential stimulator of TH1-cell response is 3D-MPL.
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5. A vaccine composition according to any one of claims 1 to 4 in which the HSV antigen is HSV-2 gD or a truncate thereof.
6. A vaccine composition according to any one of claims 1 to 5 which
25 comprises at least one HPV antigen selected from the group consisting of L1, L2, E6 and E7, optionally in the form of a fusion protein and/or a truncate.
7. A vaccine composition according to any one of claims 1 to 6 in which an EBV antigen is additionally present.
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8. A vaccine composition as defined in claim 7 in which the EBV antigen is gp 350.
9. A vaccine composition according to any one of claims 1 to 6 in which a
5 hepatitis A antigen is additionally present.
10. A vaccine composition according to claim 9 in which the HAV antigen is derived from the HM-175 strain.
- 10 11. A vaccine composition according to any one of claims 1 to 6 in which a hepatitis B virus (HBV) antigen is additionally present.
12. A vaccine composition according to claim 11 in which the HBV antigen is hepatitis B surface antigen.
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13. A vaccine composition according to any one of claims 1 to 12 in which the carrier is selected from the group comprising aluminium hydroxide, aluminium phosphate and tocopherol and an oil in water emulsion.
- 20 14. A vaccine composition according to any one of claims 1 to 13 which additionally comprises a VZV antigen.
15. A vaccine composition according to claim 14 in which the VZV antigen is gpI.
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16. A vaccine composition according to any one of claims 1 to 15 which additionally comprises a HCMV antigen.
17. A vaccine composition according to claim 16 in which the HCMV antigen is
30 gB685** or pp65.

18. A vaccine composition according to any one of claims 1 to 17 which additionally comprises a *Toxoplasma gondii* antigen.

19. A vaccine composition according to claim 18 in which the *Toxoplasma*
5 *gondii* antigen is SAG1 or TG34.

20. A vaccine composition according to any one of claims 1 to 4 comprising HSV-2 gDt antigen and an HPV antigen chosen from the group consisting of L1, L2, E6, E7, protein D-E6, protein D-E7 or L2-E7 of HPV and optionally in
10 addition one or more of HBsAg S antigen; EBVgp 350; VZVgpI; HAV HM-175 inactivated strain; gB685** or pp65 of HCMV and SAG1 or TG34 antigens of *Toxoplasma gondii*.